

Ink Black  
(Lami)  
T2151, T2141, T2131, T2121, T2111, T2M41, T2251,  
T2241, T2231, T2221, T2211, T2451, T2441, T2421,  
T2541, T2651, T2641, T2B51, T2B41, T2741, TX4311  
TX7511, T2161, T2261, T2B41, T2661,

DATE: December 20, 1995

TSCA; CERTIFICATE OF AUTHORIZATION

SONY CHEMICALS' PRODUCT # : TR3274

This is to certify that above product does not contains any chemical ingredients regulated by US TSCA (TOXIC SUBSTANCE CONTROL ACT.)

If there are any questions pertaining to E. P. A. (ENVIRONMENTAL PROTECTION AGENCY) regulations please contact;

YUKIO KOMATSUDA  
MANAGER / OVERSEAS DIV.

SONY CHEMICALS CORP.  
6-3 NIHONBASHI MUROMACHI  
1-CHOME CHUO-KU  
TOKYO 103 JAPAN  
PHONE (03)3279-0444

T. Sagara  
TAKESHI SAGARA  
MANAGER / INK RIBBON PRODUCTS DIV.  
SONY CHEMICALS CORP. KANUMA PLANT  
18 SATSUKI-CHO  
KANUMA CITY, TOCHIGI  
JAPAN

### SECTION 4-REACTIVITY HAZARD DATA

STABILITY <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	Conditions To Avoid None
Incompatibility (Materials to Avoid)	None
Hazardous Decomposition Products	CO, CO <sup>2</sup> , C etc.
HAZARDOUS POLYMERIZATION <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> Will Not Occur	Conditions To Avoid None

### SECTION 5 HEALTH HAZARD DATA

PRIMARY ROUTES OF ENTRY <input type="checkbox"/> Inhalation <input checked="" type="checkbox"/> Skin Absorption	<input type="checkbox"/> Ingestion <input type="checkbox"/> Not Hazardous	CARCINOGEN LISTED IN <input type="checkbox"/> NTP <input type="checkbox"/> IARC Monograph <input checked="" type="checkbox"/> OSHA Not Listed
HEALTH HAZARDS Acute Chronic	Acute toxicity test: Non died (Mousg. LD50. >6,600 mg/kg) Primary skin test: Score 0.03 (0-2 weak skin irritation reaction) Ames test: Non-mutagenic in bacterial test	
Signs and Symptoms of Exposure	Probably none.	
Medical Conditions Generally Aggravated by Exposure	None	

EMERGENCY FIRST AID PROCEDURES-Seek medical assistance for further treatment, observation and support if necessary.

Eye Contact: Will not occur

Skin Contact: Probably harmless

Inhalation: Will not occur

Ingestion: Call physician immediately

### SECTION 6-CONTROL AND PROTECTIVE MEASURES

Respiratory Protection (Specify Type)	Not required		
Protective Gloves	Not required	Eye Protection	Not required
VENTILATION TO BE USED	<input type="checkbox"/> Local Exhaust	<input type="checkbox"/> Mechanical (general)	<input type="checkbox"/> Special
	<input type="checkbox"/> Other (specify)	Not required	
Other Protective Clothing and Equipment	Not required		
Hygienic Work Practices	Not required		

### SECTION 7-PRECAUTIONS FOR SAFE HANDLING AND USE/LEAK PROCEDURES

Steps to be Taken if Material is Spilled or Released: Take same as other plastic film.

Waste Disposal Methods: Dispose as plastic film.

Precautions to be Taken in Handling and Storage: None

Other Precautions and/or Special Hazards: Use only printing.

# Material Safety Data Sheet

Manufacturer Sony Chemicals Corp.  
 Address 6-3 Nihonbashi Muromachi  
1-chome Chuo-ku, Tokyo 103 JAPAN  
 Phone Number (For Information) (03) 3279-0444  
 Emergency Phone Number (03) 3279 0444 Telex\*

Identity (Trade Name As Used On Label) TR3274  
 MSDS Number \*  
 CAS Number \*  
 Date Prepared December 20, 1994  
 Prepared By \*  
 Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

## SECTION 1-MATERIAL IDENTIFICATION AND INFORMATION

COMPONENTS-Chemical Name & Common Names (Hazardous Components 1% or greater; Carcinogens 0.1% or greater)	%	OSHA PEL*	ACGIH TLV	OTHER LIMITS RECOMMENDED <sup>†</sup>
Non-Hazardous Ingredients				
Solid ink layer Resin	19			
Base Film Polyester Film	80			
Back Coating Silicone Resin	1			
TOTAL	100			

## SECTION 2-PHYSICAL/CHEMICAL CHARACTERISTICS

Boiling Point	N. A.	Specific Gravity (H <sub>2</sub> O = 1)	About 1.3
Vapor Pressure (at 101 kPa and temperature)	N. A.	Melting Point	Resin, 110°C (softening)
Vapor Density (Air = 1)	N. A.	Evaporation Rate (= 1)	N. A.
Solubility in Water	Insoluble	Water Reactive	None
Appearance and Odor	Blue solid, Odorless		

## SECTION 3-FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method Used	N. A.	Auto-ignition Temperature	N. A.	Flammability Limits in Air % by Volume	None	LEL	UEL
Extinguisher Media	Carbon dioxide, Dry Chemicals, Water						
Special Fire Fighting Procedures	None						

Unusual Fire and Explosion Hazards None

\* Optional